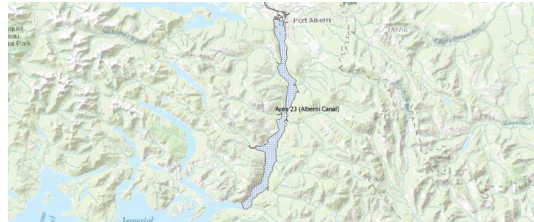


FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 23 (Alberni Canal) July 2023



Prepared By:
South Coast Salmon Stock Assessment Section

Sunday 14th January, 2024



Fisheries and Oceans
Canada

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Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

		China Creek			Clutesi Marina		Clutesi Ramp			McKay Bay Gas Dock PM	Mills Landing		Poett Nook
Date	Day Type	AM	MD	PM	AM	MD	AM	MD	PM		MD	PM	AM
28 Jun 2023	Midweek				10			13					
29 Jun 2023	Midweek	26					27				1		
30 Jun 2023	Midweek		10					16					2
01 Jul 2023	Weekend							13					
02 Jul 2023	Weekend	16					16						
03 Jul 2023	Weekend								3				
04 Jul 2023	Midweek				6								
05 Jul 2023	Midweek	17										1	
06 Jul 2023	Midweek							11					
07 Jul 2023	Midweek						19						
08 Jul 2023	Weekend				10								
09 Jul 2023	Weekend		8					11					
10 Jul 2023	Midweek	19								1			
11 Jul 2023	Midweek												
12 Jul 2023	Midweek						17						
13 Jul 2023	Midweek								1				
14 Jul 2023	Midweek			1		2							
15 Jul 2023	Weekend	15					13						
16 Jul 2023	Weekend		3		4								
17 Jul 2023	Midweek												
18 Jul 2023	Midweek		6										
19 Jul 2023	Midweek						3						
20 Jul 2023	Midweek								1				
21 Jul 2023	Midweek							2					
22 Jul 2023	Weekend												
23 Jul 2023	Weekend	9						4					
24 Jul 2023	Midweek												
25 Jul 2023	Midweek	3			1								
26 Jul 2023	Midweek		2					2					
27 Jul 2023	Midweek	9											
28 Jul 2023	Midweek							5		1			
29 Jul 2023	Weekend						9						
30 Jul 2023	Weekend		2										
31 Jul 2023	Midweek	8					3						
01 Aug 2023	Midweek	10											
02 Aug 2023	Midweek												
03 Aug 2023	Midweek	11					2						

Table 2: Daily tally of interviews, catch and effort.

Date	Day	Average Fishing Conditions	Interviews & Log Trips	Chinook	Coho	Sockeye	Halibut	Observed Fishing	Flight Time	Expanded Fishing
28-Jun-2023	Wednesday	calm/rippled	23			77				
29-Jun-2023	Thursday	choppy	54			184				
30-Jun-2023	Friday	choppy	28			102		32	1219	204
01-Jul-2023	Saturday	frequent whitecaps	13			47		438	0747	517
02-Jul-2023	Sunday	choppy	32			208				
03-Jul-2023	Monday (Canada Day)	choppy	3			12				
04-Jul-2023	Tuesday	calm/rippled	6			27				
05-Jul-2023	Wednesday	choppy	18			81		202	0755	231
06-Jul-2023	Thursday	calm/rippled	11			38				
07-Jul-2023	Friday	choppy	19			44				
08-Jul-2023	Saturday	choppy	10			59		340	0747	401
09-Jul-2023	Sunday	frequent whitecaps	19			81				
10-Jul-2023	Monday	frequent whitecaps	20			85		196	0743	224
11-Jul-2023	Tuesday		0							
12-Jul-2023	Wednesday	choppy	17			42				
13-Jul-2023	Thursday	calm/rippled	1			7				
14-Jul-2023	Friday	frequent whitecaps	3			6				
15-Jul-2023	Saturday	calm/rippled	29			57				
16-Jul-2023	Sunday	choppy	7			17		17	1107	75
17-Jul-2023	Monday		0							
18-Jul-2023	Tuesday	frequent whitecaps	6			23				
19-Jul-2023	Wednesday	choppy	3					69	0751	79
20-Jul-2023	Thursday	calm/rippled	1							
21-Jul-2023	Friday	choppy	2	1		13				
22-Jul-2023	Saturday		0							
23-Jul-2023	Sunday	calm/rippled	13			9		62	0741	73
24-Jul-2023	Monday		0							
25-Jul-2023	Tuesday	choppy	4			8		33	0750	37
26-Jul-2023	Wednesday	choppy	4			2				
27-Jul-2023	Thursday	choppy	9			35				
28-Jul-2023	Friday	calm/rippled	6		1	6				
29-Jul-2023	Saturday	calm/rippled	9			8		98	0749	116
30-Jul-2023	Sunday	frequent whitecaps	2			5				
31-Jul-2023	Monday	calm/rippled	11	2		8		63	0744	72
01-Aug-2023	Tuesday	choppy	10	1		6				
02-Aug-2023	Wednesday		0					48	0746	55
03-Aug-2023	Thursday	choppy	13	5		8				
	Totals	choppy	141	3	1	425		113*		129*
	Totals	choppy	137			503		191*		236*

* Average number of boats Observed and Expanded

Table 3: Simple area based cpue (catch per boat trip) expansion.

Day Type	Average Expanded Boats	Number of Days	Total Estimated Effort	CPUE				Retained			
				Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut
Midweek	129	20	2580	0.021	0.007	3.014		54	18	7776	
Weekend	236	11	2596			3.672				9533	

Table 4: Recent years estimates of retained catch and effort.

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2018	July	1121	40		1140	
2019	July	564	152	11	69	11
2020	July	1981	12		4604	0
2021	July	4279	16		26112	0
2022	July	1051	8		588	0
2023	July	2723	31	9	8890	0
5-Yr Avg	July	1799	46	11	6503	3

Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch	Creel Mark Rate	Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries
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Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	278	1%
iRec Anglers	4271	12%

Figure 1: Proportion of each day's fishing by hour.

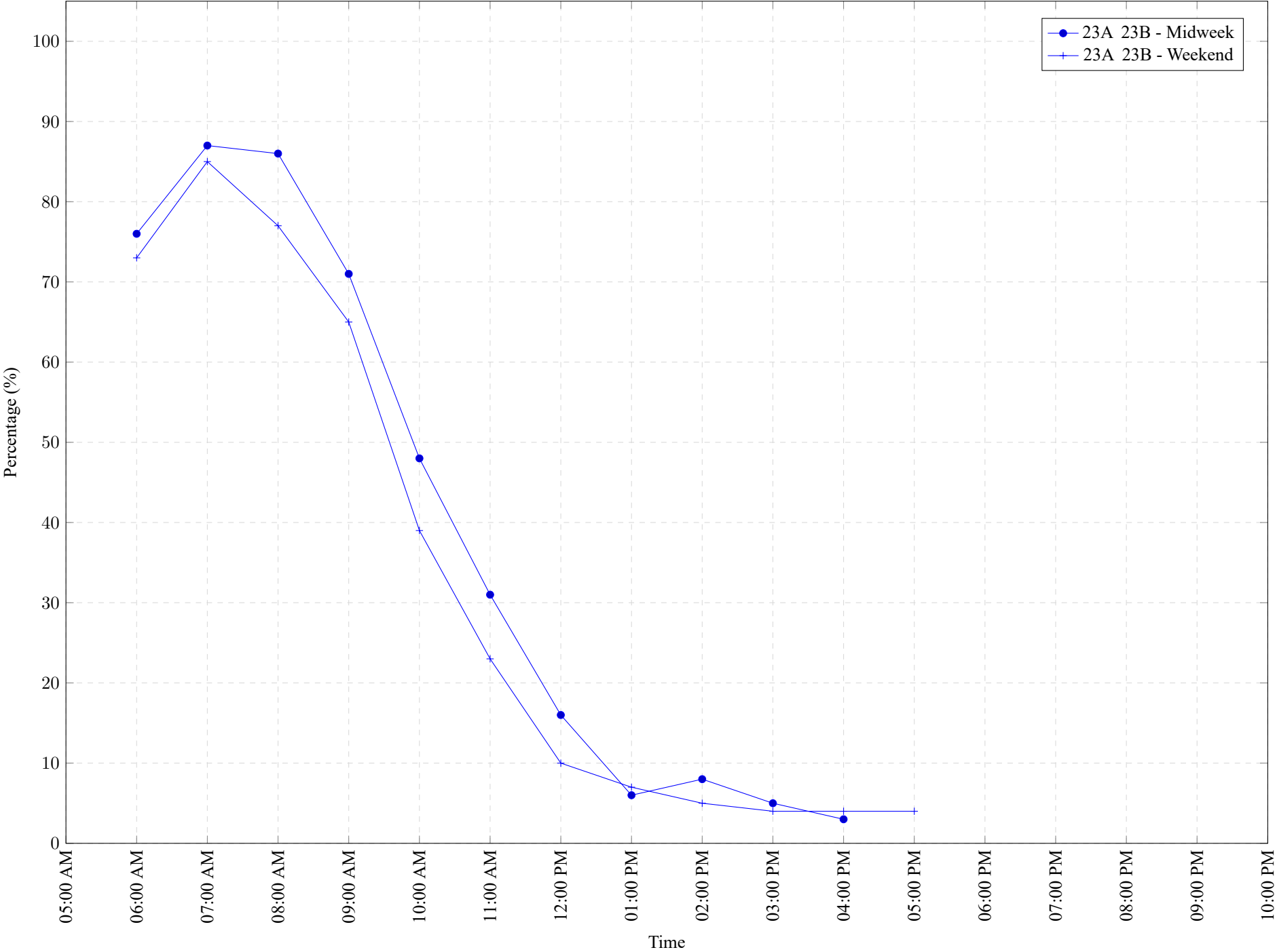


Table 7: Proportion of each day's fishing by hour.

Areas		Day Type	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	01:00 PM	02:00 PM	03:00 PM	04:00 PM	05:00 PM	06:00 PM	07:00 PM	08:00 PM	09:00 PM	10:00 PM
23A	23B	Midweek	76%	87%	86%	71%	48%	31%	16%	6%	8%	5%	3%	0%	0%	0%	0%	0%	0%
23A	23B	Weekend	73%	85%	77%	65%	39%	23%	10%	7%	5%	4%	4%	4%	0%	0%	0%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	China Creek	Clutesi Marina	Clutesi Ramp	McKay Bay Gas Dock	Mills Landing	Poett Nook
28 Jun 2023	Midweek		choppy	calm/rippled			
29 Jun 2023	Midweek	frequent whitecaps		calm/rippled		choppy	
30 Jun 2023	Midweek	frequent whitecaps		choppy			calm/rippled
01 Jul 2023	Weekend			frequent whitecaps			
02 Jul 2023	Weekend	choppy		choppy			
03 Jul 2023	Weekend			choppy			
04 Jul 2023	Midweek		calm/rippled				
05 Jul 2023	Midweek	choppy				calm/rippled	
06 Jul 2023	Midweek			calm/rippled			
07 Jul 2023	Midweek			choppy			
08 Jul 2023	Weekend		choppy				
09 Jul 2023	Weekend	large swells		frequent whitecaps			
10 Jul 2023	Midweek	frequent whitecaps			calm/rippled		
11 Jul 2023	Midweek						
12 Jul 2023	Midweek			choppy			
13 Jul 2023	Midweek			calm/rippled			
14 Jul 2023	Midweek	frequent whitecaps	frequent whitecaps				
15 Jul 2023	Weekend	choppy		calm/rippled			
16 Jul 2023	Weekend	frequent whitecaps	choppy				
17 Jul 2023	Midweek						
18 Jul 2023	Midweek	frequent whitecaps					
19 Jul 2023	Midweek			choppy			
20 Jul 2023	Midweek			calm/rippled			
21 Jul 2023	Midweek			choppy			
22 Jul 2023	Weekend						
23 Jul 2023	Weekend	calm/rippled		calm/rippled			
24 Jul 2023	Midweek						
25 Jul 2023	Midweek	frequent whitecaps	calm/rippled				
26 Jul 2023	Midweek	choppy		choppy			
27 Jul 2023	Midweek	choppy					
28 Jul 2023	Midweek			calm/rippled	choppy		
29 Jul 2023	Weekend			calm/rippled			
30 Jul 2023	Weekend	frequent whitecaps					
31 Jul 2023	Midweek	calm/rippled		calm/rippled			
01 Aug 2023	Midweek	choppy					
02 Aug 2023	Midweek						
03 Aug 2023	Midweek	choppy		calm/rippled			